

FIG. 1

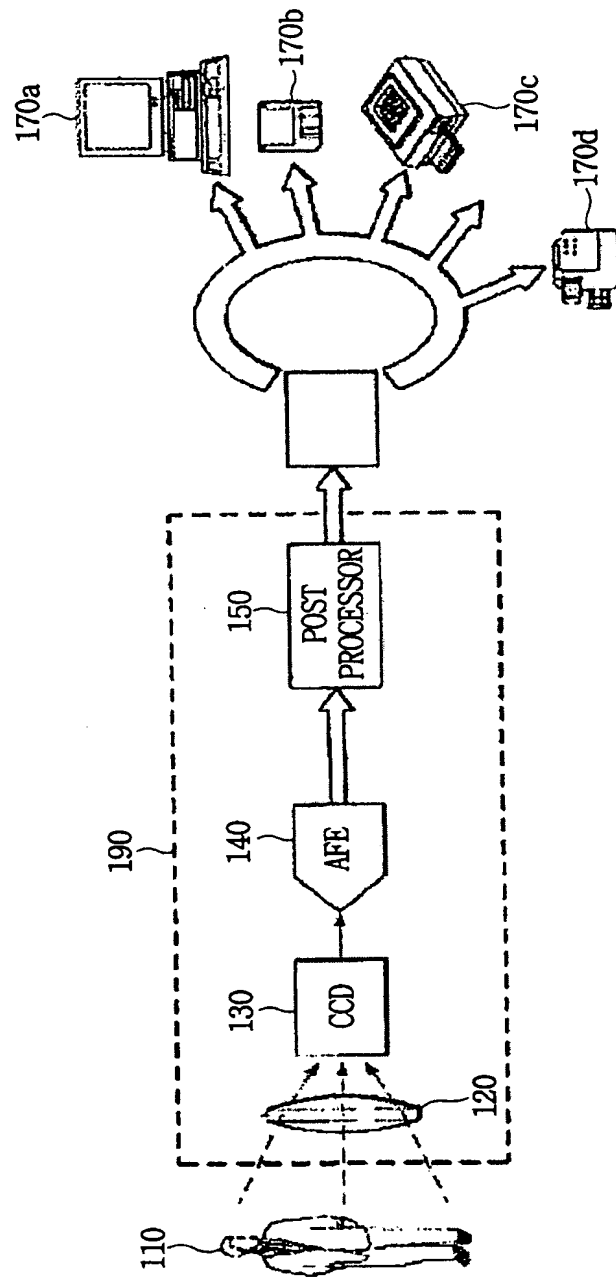


FIG. 2

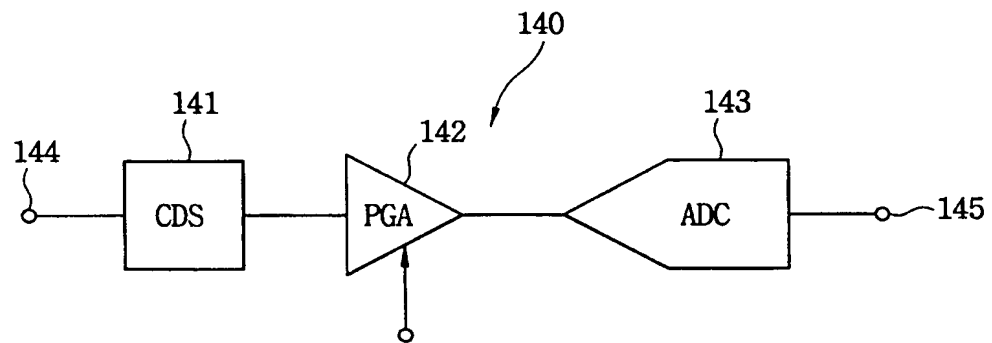


FIG. 3

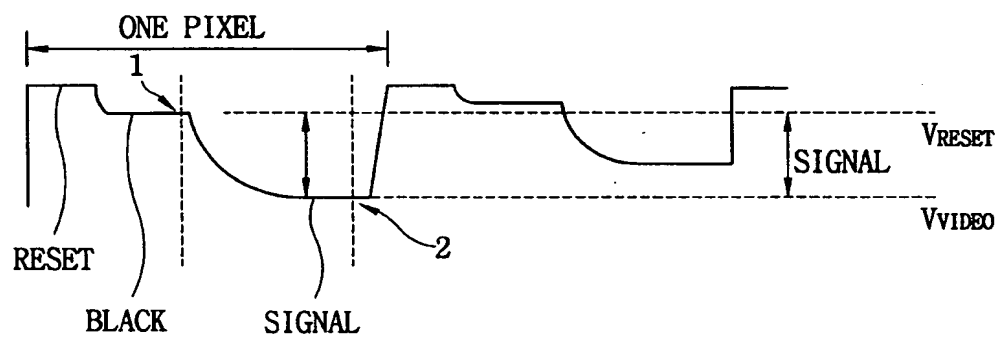


FIG. 4

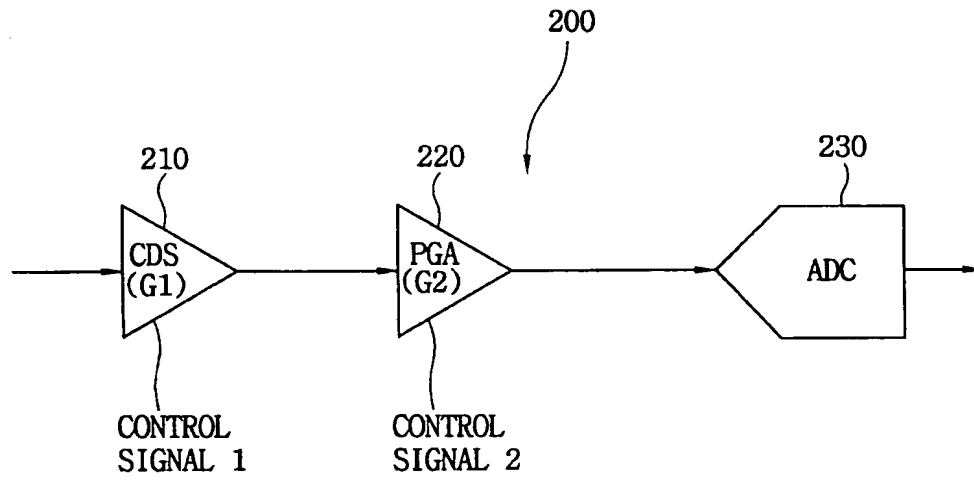


FIG. 5

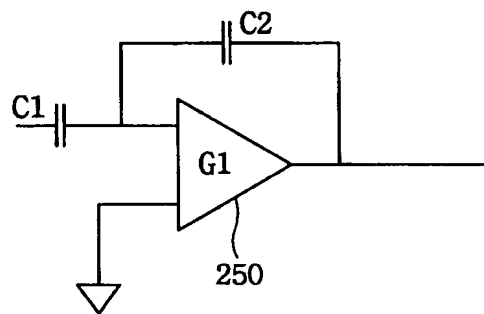


FIG. 6

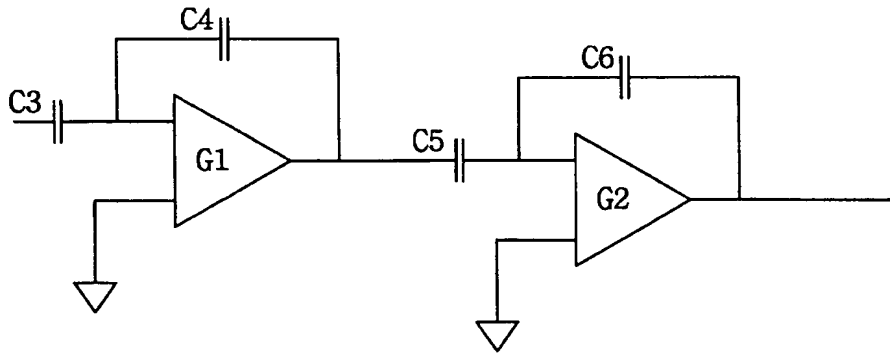


FIG. 7

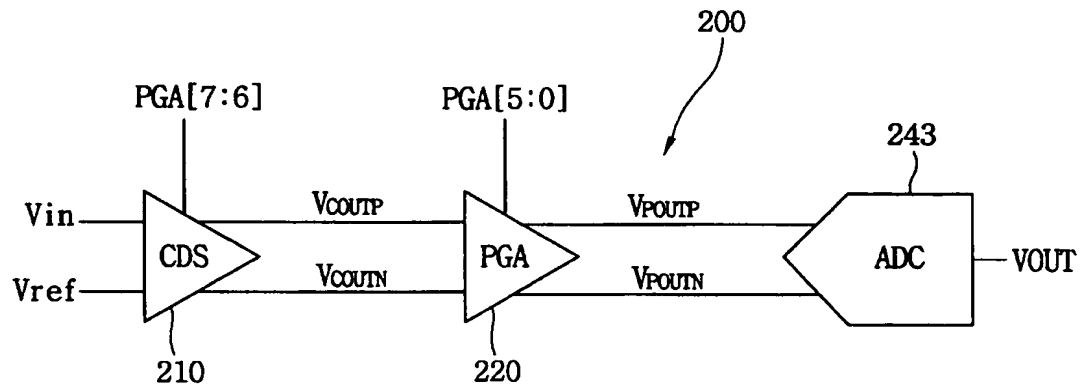


FIG. 8

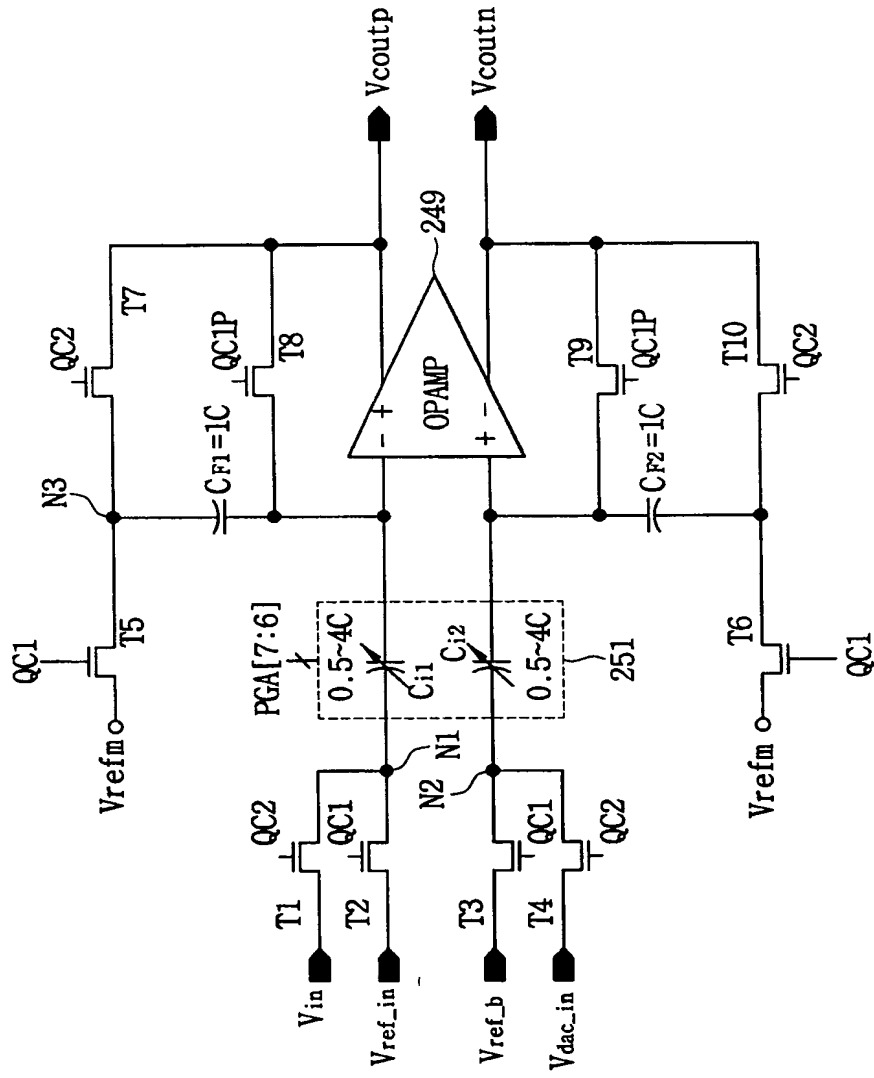


FIG. 9

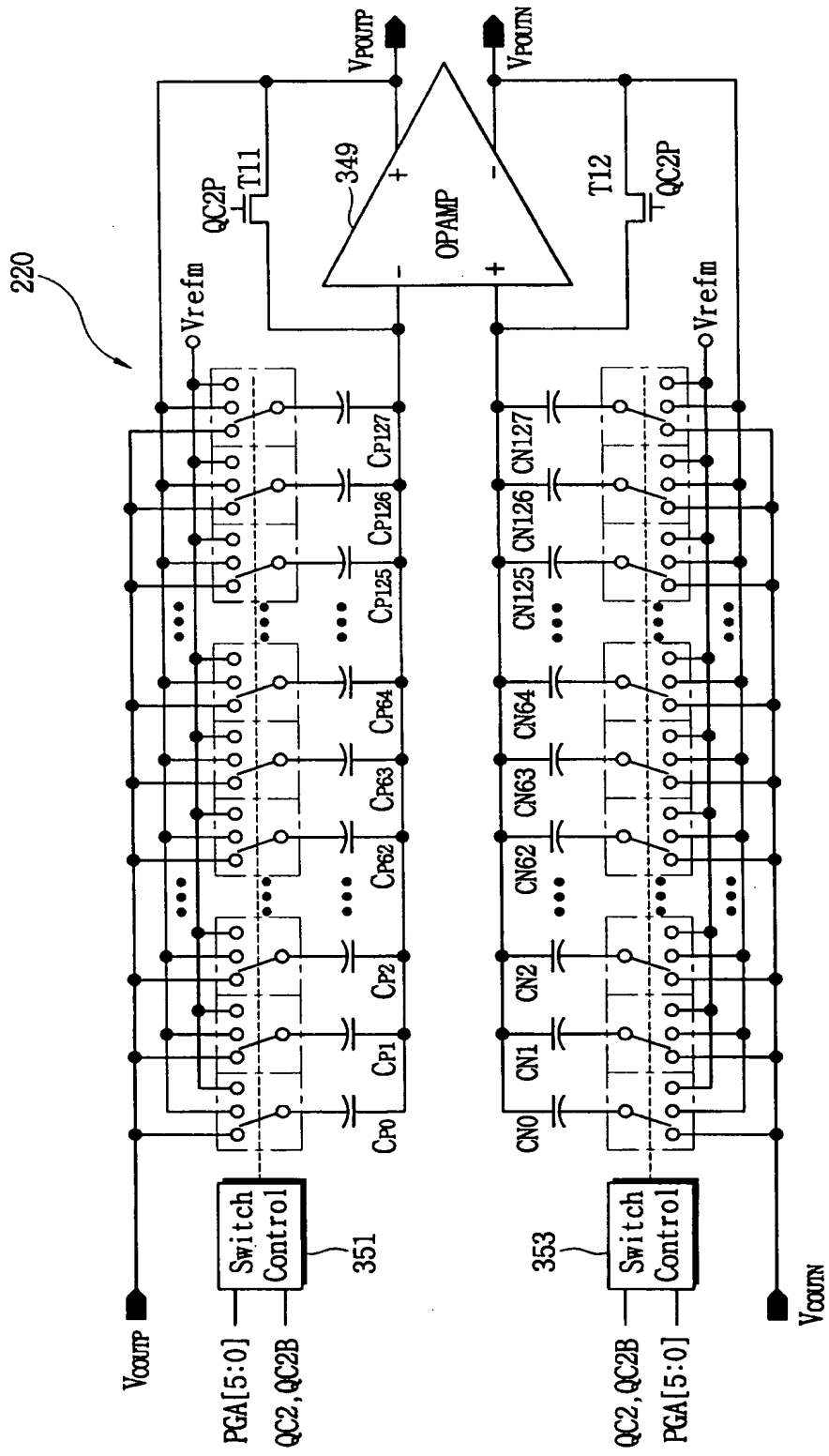


FIG. 10

| Gain bits | | Gain A x B | | DC Gain [V/V] | DC Gain dB |
|-----------|----------|------------|-----------|------------------|---------------|
| PGA[7:6] | PGA[5:0] | A | B | | |
| 00 | 00 0000 | 0.5C/1.0C | 128C/127C | 0.504 | -5.95dB |
| 00 | 00 0001 | 0.5C/1.0C | 128C/126C | 0.507 | -5.88dB |
| 00 | 00 0010 | 0.5C/1.0C | 128C/125C | 0.512 | -5.81dB |
| • • • | • • • | • • • | • • • | • • • | |
| 00 | 11 1110 | 0.5C/1.0C | 128C/65C | 0.985 | -0.13dB |
| 00 | 11 1111 | 0.5C/1.0C | 128C/64C | 1.000 | 0.00dB |
| 01 | 00 0000 | 1.0C/1.0C | 128C/127C | 1.008 | 0.07dB |
| 01 | 00 0001 | 1.0C/1.0C | 128C/126C | 1.016 | 0.14dB |
| 01 | 00 0010 | 1.0C/1.0C | | 1.024 | 0.21dB |
| • • • | • • • | • • • | • • • | • • • | |
| 01 | 11 1111 | 1.0C/1.0C | 128C/64C | 2.000 | 6.02dB |
| 10 | 00 0000 | 2.0C/1.0C | 128C/127C | 2.016 | 6.09dB |
| 10 | 00 0001 | 2.0C/1.0C | 128C/126C | 2.032 | 6.16dB |
| • • • | • • • | • • • | • • • | • • • | |
| 10 | 11 1111 | 2.0C/1.0C | 128C/64C | 4.000 | 12.04dB |
| 11 | 00 0000 | 4.0C/1.0C | 128C/127C | 4.031 | 12.11dB |
| 11 | 00 0001 | 4.0C/1.0C | 128C/126C | 4.063 | 12.18dB |
| • • • | • • • | • • • | • • • | • • • | |
| 11 | 11 1111 | 4.0C/1.0C | 128C/64C | 8.000 | 18.06dB |

FIG. 11

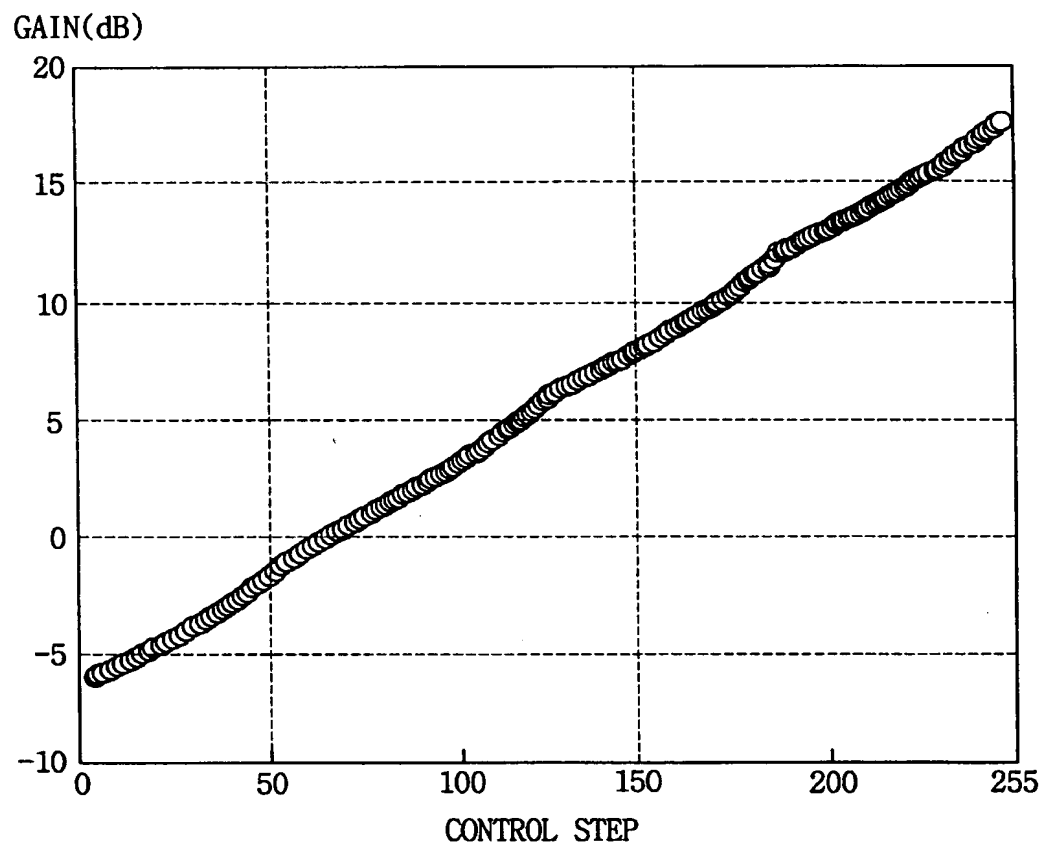


FIG. 12

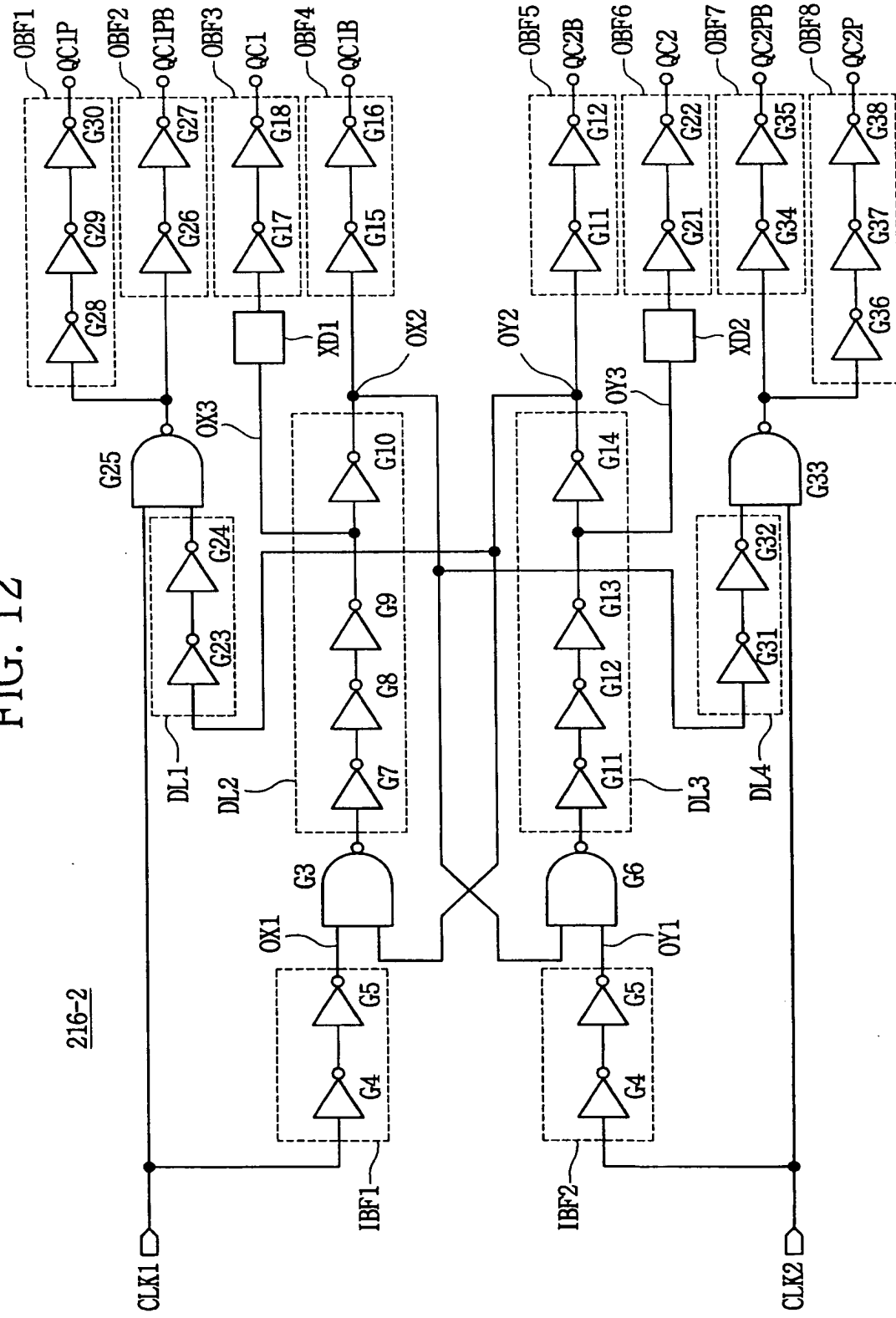


FIG. 13

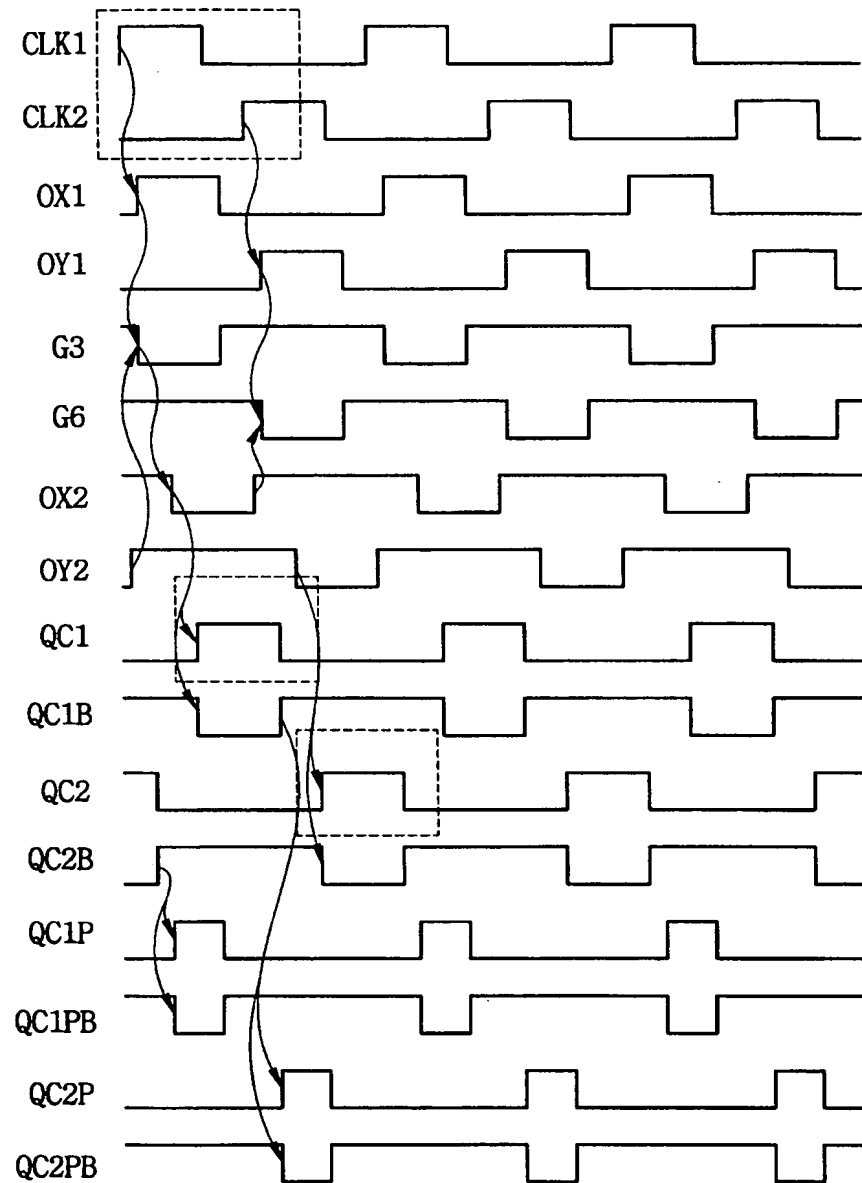


FIG. 14

